



HURRICANE KATRINA PRODUCT SELECTION GUIDE



hearing protection

EAR MUFFS / EAR PLUGS / EAR BANDS

As people begin the clean up of debris and fallen trees, they will be using chain saws and power tools which are hazardous to their hearing. The selection of hearing protection products is largely based on personal preference, but during a crisis such as this, ear plugs which are in plentiful supply at a relatively low cost make an excellent choice for noise reduction to help prevent long-term hearing loss.

Part Number	Description
10061535	XLS Cap-Mounted Ear Muffs (for slotted caps)
10026398	SoundBlocker™ 26 Ear Muffs for use with PN 10021614 Defender®+ Faceshield
10051348	FormFit™ Conical-Shaped Disposable Foam Ear Plugs (200 individually pkgd. pairs)
10051347	FormFit™ Conical-Shaped Disposable Foam Ear Plugs, corded (200 individually pkgd. pairs)



gas detection

There will be many chemicals in the area due to the flooding and winds, but there will also be immediate safety hazards related to those contaminants that are commonly found in confined spaces, about which people entering should be forewarned. A 4-gas monitor that detects explosive gases such as methane, and oxygen deficiency, as well as carbon monoxide and hydrogen sulfide is recommended for those entering these potentially lethal spaces.



Part Number	Description
10048147	Solaris® 4-Gas Multigas Detector, with Datalogging

head protection

Whenever people are working around overhead hazards (tree limbs, unstable houses, debris, etc.) head protection is required. Additionally, head protection offers limited dielectric protection from electrical hazards (such as low hanging-electrical wires).

Part Number	Description
10057441	White V-Gard® Cap with 1-Touch™ Suspension
10057443	Yellow V-Gard® Cap with 1-Touch™ Suspension
10058321	White V-Gard® Hat with 1-Touch™ Suspension
10058318	Yellow V-Gard® Hat with 1-Touch™ Suspension
10069762	Unsinkable Spirit™ Hardhat with 1-Touch™ Suspension



faceshields

Faceshields will be required for such activities as breaking glass windows, or sawing downed tree branches. Faceshields must only be used as secondary protection for the eyes, so safety glasses or goggles will be required for use under the faceshields.

Note: Faceshield Frames sold separately from visors.

Part Number	Description
488160	Defender®+ Universal Foldback Frame, Metal, for Cap
10021614	Defender®+ Faceshield Frame for V-Gard Caps with lockdown clip on brim
10017934	Polycarbonate Visor, Clear (Flat), 8 x 15 1/2 x .040
10005883	Propionate Visor, Clear 8 x 15 1/2 x .060



Unsinkable Spirit. Unwavering Support.

facepiece selection

We know there's a lot of uncertainty surrounding the Hurricane Katrina tragedy. MSA hopes to reduce some of that uncertainty, at least as it relates to safety product selection and application. Calling upon our more than 90 years of safety experience, and especially on our experience in past crisis events, the following outlines some of the key safety products that will be required by emergency responders, clean up crews and eventually, returning homeowners.

RESPIRATORY PROTECTION

Hurricane Katrina has left behind a "toxic gumbo" of biohazards, chemicals, and gases that can be harmful to humans. Additionally, as the waters recede, the formation of molds, which may cause allergic reactions, will likely develop. As a consequence there will be a large demand for respiratory protection.

Typically, there are a variety of air-purifying respirators which are suitable for certain typical applications. Of course, the selection of air purifying respirators should be made on the basis of a thorough understanding of the exposure. Use this information only as a guide. Seek updated information on respirator recommendations as more information becomes available from government health officials. In the interim, the following offers typical product applications:



HALF MASK RESPIRATORS AND FULL FACEPIECE RESPIRATORS

Half Mask Respirators are more limited in their protection than Full Facepiece Respirators. Additionally, Full Facepiece Respirators offer integral eye protection. Each of these two styles can share cartridge types, so long as the attachment method is the same. Bayonet-style respirators use bayonet-style cartridges; screw-in respirators use screw-in cartridges. Users should only use cartridges that are approved for use on a particular manufacturer's respirator—they must not be used on alternate brand respirators and are not interchangeable between brands.

HALF-MASK FACEPIECE

Part #	LOW MAINTENANCE FACEPIECES FOR BAYONET-STYLE CARTRIDGES
815696	Advantage® 200 LS Respirator - Small
815692	Advantage® 200 LS Respirator - Medium
815700	Advantage® 200 LS Respirator - Large

Part #	CONVENTIONAL FACEPIECES FOR SCREW-IN CARTRIDGES
808072	Comfo Classic® Respirator, Silicone - Small
808071	Comfo Classic® Respirator, Silicone - Medium
808073	Comfo Classic® Respirator, Silicone - Large

FULL-FACEPIECE

Part #	LOW MAINTENANCE FACEPIECES FOR BAYONET-STYLE CARTRIDGES
10028996	Advantage® 3000 Respirator - Small
10028995	Advantage® 3000 Respirator - Medium
10028997	Advantage® 3000 Respirator - Large

Part #	CONVENTIONAL FACEPIECES FOR SCREW-IN CARTRIDGES
480263	Ultra-Twin® Respirator, Silicone - Small
480259	Ultra-Twin® Respirator, Silicone - Medium
480267	Ultra-Twin® Respirator, Silicone - Large



⚠ WARNING

The appropriate respirator instruction manual, including the warnings and cautions inside of it, must be carefully read and followed by all persons who use or maintain these products, including those who have responsibility involving respirator selection, application, service, or repair. The respirators will perform as designed only if used and maintained according to the instructions. Otherwise, the respirator could fail to perform as designed and persons who rely on these products could sustain serious personal injury or death.

A qualitative or quantitative fit test must be carried out for each wearer of any of these respirators to determine the amount of protection they will provide. Respirator fit tests are explained fully in the American National Standard for Respiratory Protection, ANSI Z88.2, which is published by the American Standards Institute, 11 West 42nd Street, New York, New York 10036. The user must perform a respirator fit test and follow all warnings and limitations specified. Failure to do so can result in serious personal injury or death.

cartridge selection

N95 RESPIRATOR FOR HARMFUL DUST ¹

These may be best suited for homeowners for protection from harmful dust while cleaning up flood damage, and for use while cutting (non-lead based painted) wood, or tree branches. N95 Respirators are at least 95% efficient against non-oil based particulates.

Select a Facepiece (at left) and add these filters to create a N95 Respirator:

Part #	LOW MAINTENANCE N95 FILTERS
818346	Flexi-Filter® N95 Filter Pads (1 Pair)




N95 RESPIRATOR FOR HARMFUL DUST WITH ODOR FILTER ¹

This version has a light charcoal filter for nuisance level odors. It may be appropriate for helping to block mild odors, such as those that may be encountered while cleaning up in musty environments, or when applying paint with a brush or roller.

Select a Facepiece (at left) and add these filters to create a N95 Respirator:

Part #	LOW MAINTENANCE N95 FILTERS
818347	Flexi-Filter® N95 Filter Pads with Nuisance Level OV Removal (1 Pair)



⚠ WARNING

1 DO NOT use for protection from asbestos or lead. Failure to do so can result in serious personal injury or death.


GME-P100 HALF MASK RESPIRATOR FOR MULTI-PURPOSE USE:

When doing the actual clean up of contaminated areas, there are likely to be numerous offensive odors (generally organic vapors) which this respirator can adsorb. Additionally, when cleaning up with bleach (chlorine vapors) or ammonia and water (ammonia vapors) this respirator can likewise help block these odors. (**Caution: Do not mix chlorine with ammonia.**) And with its integral high efficiency P100 filters, the respirator is also appropriate for mold [this half-mask respirator should be used for mold exposures of less than 10 sq. ft. (e.g. about the size of a 3 ft. x 3 ft. surface area)],² bioaerosols and other potentially toxic particulate hazards. This is the most widely approved half mask on the market making it ideal for a variety of lower concentration exposures. (It can also be used anywhere the N95 or P100 respirators described above are used.)


WARNING: Some contaminants can enter the bloodstream through the eyes. Wear gas-tight goggles for protection from these contaminants.

Select a Half-Mask Facepiece (at left) and add these corresponding filters to create a GME-P100 Respirator:

Part #	LOW MAINTENANCE CARTRIDGES
815366	Advantage GME-P100 (1 Pair)



Part #	CONVENTIONAL CARTRIDGES
815182	Comfo GME-P100 (6/Box)




GME-P100 FULL FACEPIECE RESPIRATOR FOR MULTI-PURPOSE USE


Designed for applications that generally involve higher concentrations of contaminants, this respirator provides integral eye protection as well as respiratory protection. This respirator is appropriate for clean up of mold in excess of 100 sq. ft. of surface area.²

Select a Full Facepiece Mask (at left) and add these corresponding filters to create a GME-P100 Full Facepiece Respirator:

Part #	LOW MAINTENANCE CARTRIDGES
815366	Advantage GME-P100 (1 Pair)



Part #	CONVENTIONAL CARTRIDGES
815182	Comfo GME-P100 (6/Box)




P100 RESPIRATOR FOR TOXIC DUST

“Black mold” (*Stachybotrys chartarum* or *Stachybotrys atra*) is a greenish black mold commonly associated with heavy water damage. A high efficiency filter version of respiratory protection is required, such as is used on this respirator. This half-mask respirator should be used for mold exposures of less than 10 sq. ft. (e.g. about the size of a 3 ft. x 3 ft. surface area.)² The respirator will also help protect wearers working near asbestos or lead paint (but not from higher exposures such as may be encountered during removal of these contaminants.)


WARNING: Some contaminants can enter the bloodstream through the eyes. Wear gas-tight goggles for protection from these contaminants.

Select a Facepiece (at left) and add these corresponding filters to create a P100 Respirator:

Part #	LOW MAINTENANCE FILTERS
815369	Low-Profile P100 (1 Pair)
818342	Flexi-Filter P100 (1 Pair)
818343	Flexi-Filter P100, OV (1 Pair)



Part #	CONVENTIONAL CARTRIDGES
815175	Comfo P100 (10/box)
815177	Comfo Low Profile P100 (10/box)



⚠ WARNING

2 Although the level of personal protection suggested for mold in these guidelines is based on US EPA guidance that relates the total surface area contaminated and the potential for remediator and/or occupant exposure, professional judgment should always play a part in remediation decisions. The EPA remediation guidelines are based on the size of the affected area to make it easier for remediators to select appropriate techniques, not on the basis of health effects or research showing there is a specific method appropriate at a certain number of square feet. The guidelines have been designed to help construct a remediation plan. The remediation manager will then use professional judgment and experience to adapt the guidelines to particular situations. When in doubt, caution is advised. Consult an experienced mold remediator for more information.

In cases in which a particularly toxic mold species has been identified or is suspected, when extensive hidden mold is expected (such as behind vinyl wallpaper or in the HVAC system), when the chances of the mold becoming airborne are estimated to be high, or sensitive individuals (e.g., those with severe allergies or asthma) are present, a more cautious or conservative approach to remediation is indicated. Always make sure to protect remediators and building occupants from exposure to mold. **Failure to do so can result in serious personal injury or death.**

protective eyewear

CHEMICAL SPLASH GOGGLES

When working with cleaning chemicals or contaminants that could splash in the eye, these goggles are an appropriate choice. They also accommodate most prescription eyewear, and are impact resistant.



Part Number	Description
696776	ClearVue® 200 Goggles, Clear, Anti-Fog

SAFETY GLASSES

A variety of safety glasses are available for use during such activities as clearing trees, brush or debris; operating power tools; doing demolition work, etc., where impact protection is needed.



Clear lens models make sense for indoor use, while tinted versions are ideal for outdoor use as they also protect from the effects of harmful UV radiation.



Indoor/Outdoor versions work well for applications where people are moving between these environments (such as clearing contaminated items from homes to the curb).



Part Number	Description
10010570	Sierra™ Protective Eyewear, Gray Lens
10012842	Sierra™ Protective Eyewear, Red, White & Blue Frame, Clear Lens
10059671	Arctic™ Elite Protective Eyewear, Indoor/Outdoor Lens
697514	Arctic™ Protective Eyewear, Clear Lens
697515	Arctic™ Protective Eyewear, Gray Lens

fall protection

One of the largest safety hazards and threats to life is the potential of a fall from heights. When working on roofs or in trees, or in aerial lifts, fall protection harnesses with shock absorbers and proper anchorage connectors are required.

HARNESSES

Part Number	Description
10033836	FP Pro® Vest Harness, Tongue Buckle Leg Straps, Back D-Ring
415947	FP Pro® Vest Harness, Qwik-Fit™ Leg Straps, Back D-Ring
SSH30420060	Gravity™ Vest Style Harness, Qwik-Fit Legs, Back D-Ring
SSH30425060	Gravity™ Vest Style Harness, Tongue Buckle Leg Straps, Back D-Ring



FALL PROTECTION KITS

Part Number	Description
10049751	Roofer's Kit



LANYARDS

Part Number	Description
10023932	6' FP Diamond Shock Absorbing Lanyard
10045936	6' FP Diamond Shock Absorbing Lanyard, Expanyard
10047084	FP5K™ Shock Absorbing Lanyard, 6' adjustable
10047085	FP5K™ Shock Absorbing Lanyard, Twin Leg
10044811	Rebar Chain Assembly, Positioning Lanyard with GL3100 Snaphook with 2.25" gate
SFP6902001	Sure-Lock™ SRL (Self-Retracting Lanyard)



ANCHORAGE CONNECTORS

Part Number	Description
10042792	3' PointGuard™ Residential Anchorage Strap with D-Ring
505282	Anchorage Connector Strap, Nylon, 5'
506259	Carabiner, 7/8" (22 mm) gate, twist lock, aluminum
SRCC643	Carabiner, 1" (25 mm) gate (large), autolocking, steel



Note: This bulletin contains only a general description of MSA products and their potential application. Since each application may vary, the need for, and/or type of, safety equipment may also differ. This bulletin describes only typical product applications. A safety professional should be consulted for specific product application recommendations. While uses, applications, and general performance capabilities are described, under no circumstances should the product be used except by trained and qualified individuals and not until complete detailed instructions concerning these products have been thoroughly read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning these products.



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